

General

Title

Otitis media with effusion (OME): percentage of patients aged 2 months through 12 years with a diagnosis of OME who received tympanostomy tube insertion who had a hearing test performed within 6 months prior to tympanostomy tube insertion.

Source(s)

American Academy of Otolaryngology - Head and Neck Surgery Foundation, Physician Consortium for Performance Improvement®. Acute otitis externa (AOE)/otitis media with effusion (OME) physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2007 Mar. 12 p. [2 references]

Measure Domain

Primary Measure Domain

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

Secondary Measure Domain

Does not apply to this measure

Brief Abstract

Description

This measure is used to assess the percentage of patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion who had a hearing test performed within 6 months prior to tympanostomy tube insertion.

Rationale

Otitis media with effusion (OME) is often accompanied by hearing loss which can impair early language

acquisition, especially in severe cases which often necessitate tympanostomy tube insertion. Therefore, it is imperative that any patient for whom tympanostomy tube insertion is indicated have their hearing tested.*

*The following clinical recommendation statements are quoted verbatim from the referenced clinical guidelines and represent the evidence base for the measure:

Hearing testing is recommended when OME persists for 3 months or longer, or at any time that language delay, learning problems, or a significant hearing loss is suspected in a child with OME. (American Academy of Family Physicians/American Academy of Ophthalmology-Head and Neck Surgery Foundation/American Academy of Pediatrics [AAFP/AO-HNSF/AAP])

Primary Clinical Component

Otitis media with effusion (OME); hearing test; tympanostomy tube insertion

Denominator Description

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion (see the related "Denominator Inclusions/Exclusions" field)

Numerator Description

Patients who had a hearing test performed within 6 months prior to tympanostomy tube insertion

Evidence Supporting the Measure

Evidence Supporting the Criterion of Quality

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

Need for the Measure

Unspecified

State of Use of the Measure

State of Use

Current routine use

Current Use

Internal quality improvement

National reporting

Application of Measure in its Current Use

Care Setting

Physician Group Practices/Clinics

Professionals Responsible for Health Care

Physicians

Lowest Level of Health Care Delivery Addressed

Individual Clinicians

Target Population Age

Age 2 months through 12 years

Target Population Gender

Either male or female

Stratification by Vulnerable Populations

Unspecified

Characteristics of the Primary Clinical Component

Incidence/Prevalence

Unspecified

Association with Vulnerable Populations

Unspecified

Burden of Illness

Unspecified

Utilization

Unspecified

Costs

Institute of Medicine (IOM) Healthcare Quality Report Categories

IOM Care Need

Getting Better

IOM Domain

Effectiveness

Data Collection for the Measure

Case Finding

Users of care only

Description of Case Finding

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion

Denominator Sampling Frame

Patients associated with provider

Denominator Inclusions/Exclusions

Inclusions

All patients aged 2 months through 12 years with a diagnosis of otitis media with effusion (OME) who received tympanostomy tube insertion

Exclusions

Documentation of medical reason(s) for not performing a hearing test within 6 months prior to tympanostomy tube insertion

Documentation of system reason(s) for not performing a hearing test within 6 months prior to tympanostomy tube insertion

Relationship of Denominator to Numerator

All cases in the denominator are equally eligible to appear in the numerator

Denominator (Index) Event

Clinical Condition

Encounter

Therapeutic Intervention

Denominator Time Window

Time window is a single point in time

Numerator Inclusions/Exclusions

Inclusions

Patients who had a hearing test performed within 6 months prior to tympanostomy tube insertion

Exclusions

None

Measure Results Under Control of Health Care Professionals, Organizations and/or Policymakers

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

Numerator Time Window

Fixed time period

Data Source

Administrative data

Medical record

Level of Determination of Quality

Individual Case

Pre-existing Instrument Used

Unspecified

Computation of the Measure

Scoring

Rate

Interpretation of Score

Better quality is associated with a higher score

Allowance for Patient Factors

Unspecified

Standard of Comparison

Internal time comparison

Evaluation of Measure Properties

Extent of Measure Testing

Unspecified

Identifying Information

Original Title

Measure #5 - otitis media with effusion: hearing testing.

Measure Collection Name

The Physician Consortium for Performance Improvement® Measurement Sets

Measure Set Name

Acute Otitis Externa (AOE)/Otitis Media with Effusion (OME) Physician Performance Measurement Set

Submitter

American Medical Association on behalf of the American Academy of Otolaryngology - Head and Neck Surgery (AAO-HNS) Foundation and Physician Consortium for Performance Improvement® - Medical Specialty Society

Developer

American Academy of Otolaryngology - Head and Neck Surgery (AAO-HNS) Foundation - Medical Specialty Society

Physician Consortium for Performance Improvement® - Clinical Specialty Collaboration

Funding Source(s)

Unspecified

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Financial Disclosures/Other Potential Conflicts of Interest

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

Included in

Ambulatory Care Quality Alliance

Adaptation

Measure was not adapted from another source.

Release Date

2007 Mar

Measure Status

This is the current release of the measure.

The Physician Consortium for Performance Improvement reaffirmed the currency of this measure in November 2010.

Source(s)

American Academy of Otolaryngology - Head and Neck Surgery Foundation, Physician Consortium for Performance Improvement®. Acute otitis externa (AOE)/otitis media with effusion (OME) physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2007 Mar. 12 p. [2 references]

Measure Availability

The individual measure, "Measure #5 - Otitis Media with Effusion: Hearing Testing," is published in "Acute

Otitis Externa (AOE)/Otitis Media with Effusion (OME) Physician Performance Measurement Set." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: www.physicianconsortium.org .

For further information, please contact AMA staff by e-mail at cqi@ama-assn.org.

NQMC Status

This NQMC summary was completed by ECRI Institute on January 16, 2008. The information was verified by the measure developer on February 18, 2008. The information was reaffirmed by the measure developer on November 17, 2010.

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